GREE
AIR CONDITIONER

OWNER'S MANUAL

Dehumidifier

Models: GDN10AY-K4EBA1A   GDN10AY-K4EBA1B
         GDN12AY-K4EBA1A   GDN10AY-K4EBA3A

Thank you for choosing our product.
For proper operation, please read and keep this manual carefully.
If you have lost the Owner's Manual, please contact the local agent or visit
www.gree.com or sent email to global@gree.com.cn for electronic version.

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This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from un-controlled waste disposal, recycle it responsibly to promote the sustainable reuse of mate-rial resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for envi-ronmental safe recycling.

R134a: 1430

(Graphics in this manual are only for reference.
Please refer to actual products for specific details.)

Explanation of Symbols

⚠ DANGER
Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

⚠ WARNING
Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

⚠ CAUTION
Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

NOTICE
Indicates important but not hazard-related information, used to indicate risk of property damage.

⚠
Indicates a hazard that would be assigned a signal word WARNING or CAUTION.

Operation Area

● This dehumidifier is intended for indoor residential applications only. It should not be used for commercial or industrial applications.
● Place the dehumidifier on a smooth and level floor.
● A dehumidifier operating indoors will have no effect in drying an adjacent enclosed area, such as a closet.
● Place the dehumidifier in an area where the temperature will not below 5°C or above 32°C.
● Allow at least 30-45 cm of air space on all sides of the unit.
● Close all doors, windows and other outside openings of the room to improve the working effect.
● Please keep the air inlet/outlet clean and not blocked.
● Do not use a dehumidifier in a bathroom.
● Avoid direct sunlight.

Correct   Wrong

Above   Below
5°C   5°C

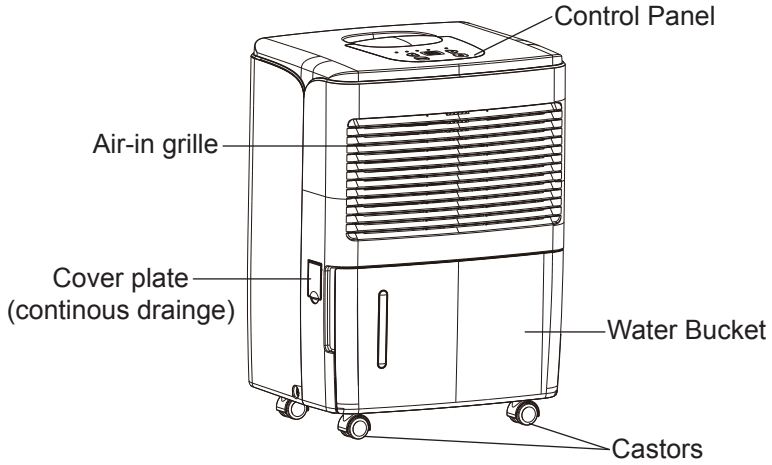30-45 cm   30-45 cm
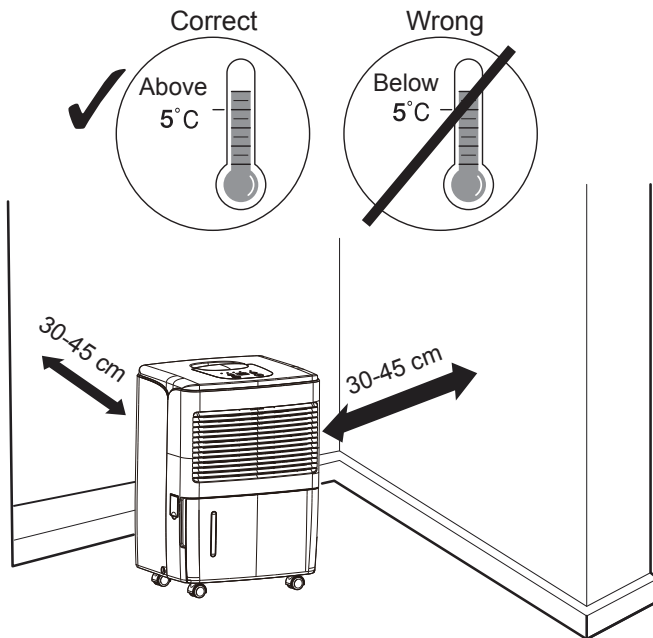
Note:

The dehumidifier has rollers to aid placement. Do not attempt to roll the dehumidifier on carpet or over objects. Otherwise, water may spill out from the bucket or the dehumidifier may get stuck by the objects.
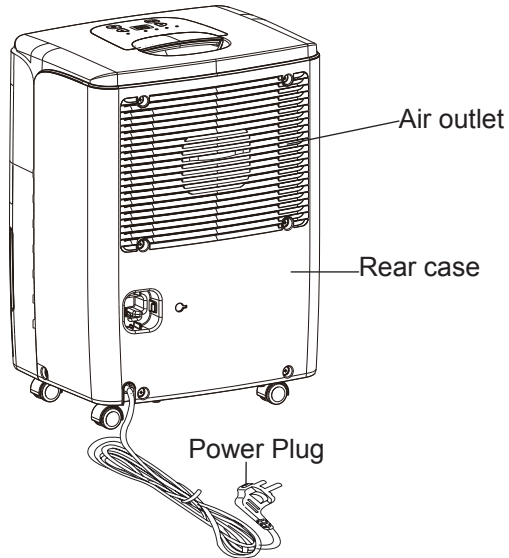
Safety Precautions

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory ormental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Before operation, please check the power cord if it complies with the requirement indicated on the nameplate.
- Before cleaning, please turn it off and unplug the dehumidifier.
- Make sure the power cord is not pressed by any hard object.
- Do not remove the power plug or move unit by pulling the powe cord.
- Do not use any heating application near the dehumidifier.
- Do not remove the power plug in wet hands.
- Please use grounded power cord and make sure it's well connected and not damaged.
- Children and disabled people are not allowed to use the dehumidifier without supervision.
- Keep children from playing or climbing on the dehumidifier.
- Do not place the dehumidifier under dripping objects.
- Memory function is included in this dehumidifier. When nobody is taking care of the unit, please turn it off and remove the power plug or disconnect power.
- Do not repair or disassemble the unit by yourself.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- If abnormal condition occurs (e.g. burned smell), please disconnect power at once and then contact local dealer.
- Dehumidifier can not be disposed of everywhere. If you want to get rid of this dehumidifier, please check with local handling disposal or information service center about what to do.
- Do not use an extension cord.
- The appliance shall be installed in accordance with national wiring regulations.

Parts Name

Front Side

Control Panel

Air-in grille

Cover plate
(continous drainge)

Water Bucket

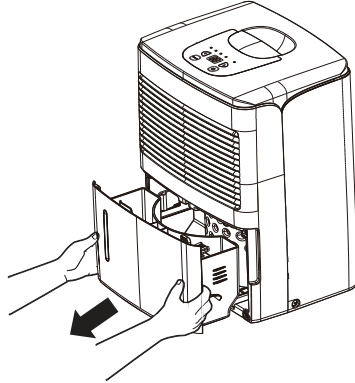Castors

Back Side

Air outlet

Rear case

Power Plug

Check Before Operation

Before operation, please first check whether float is properly placed.
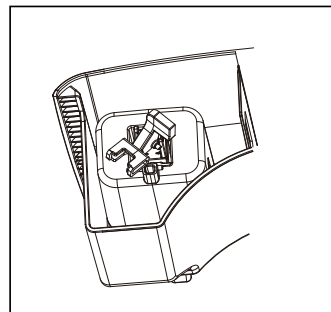
Below are the checking steps:

1. Hold the handles on both sides of the water bucket and pull it out following the arrow direction.

2. Check whether float in the water bucket is properly placed. It might have been moved a little after long-time transportation. If it's not placed properly, move it to the correct position by hand.
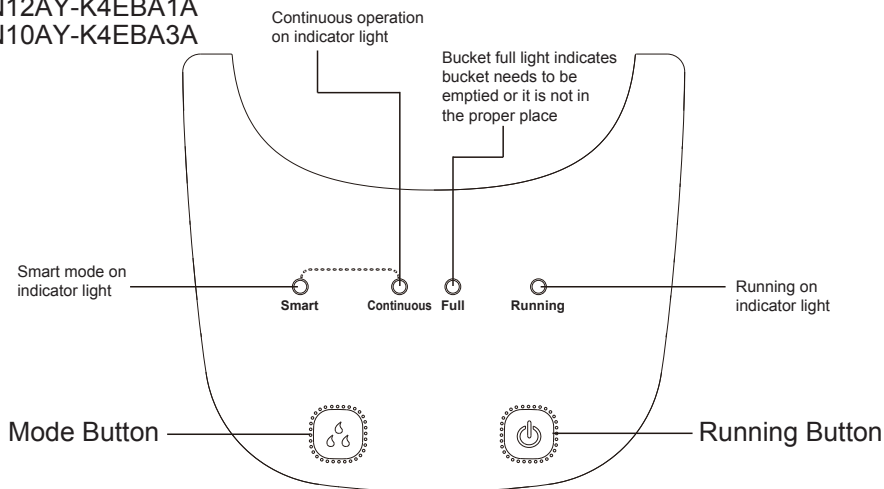

Float
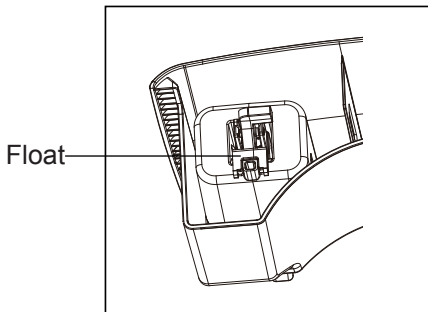
Correct Position　　　　　　**Wrong Position**

3. Replace the bucket as instructed in step 1.

Operation Method

GDN10AY-K4EBA1A
GDN12AY-K4EBA1A
GDN10AY-K4EBA3A

Continuous operation on indicator light

Bucket full light indicates bucket needs to be emptied or it is not in the proper place

Smart mode on indicator light

Smart   **Continuous**   **Full**   **Running**

Running on indicator light

Mode Button

Running Button

Notes:

● Water bucket must be correctly installed for the dehumidifier to operate.
● Do not remove the bucket while unit is in operation.
● If you want to use drain hose to drain water away, please install the hose according to section "Drainage method".
● Each time pressing the effective button on the control panel will give out a "beep" sound.
● When tuning on the unit, the running indicator is ON. Running indicator is OFF under standby status.

Basic Functions of the Buttons

1 Running Button

Press this button to turn on/off dehumidifier.

2 Mode Button

It used to select Smart mode or Continuous mode.
● Select Smart mode when the unit is operating and then the unit will dehumidify. The unit will stop operation according to the ambient humidity.
● Select Continuous mode after tuning on the unit and the unit will keep the operation status all the time.

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1. Alarm Warning
  If bucket is full or not locked into place for over 3min, buzzer will go off for 10s
  to remind you to empty bucket or put it back into the correct place.

2. Auto Stop
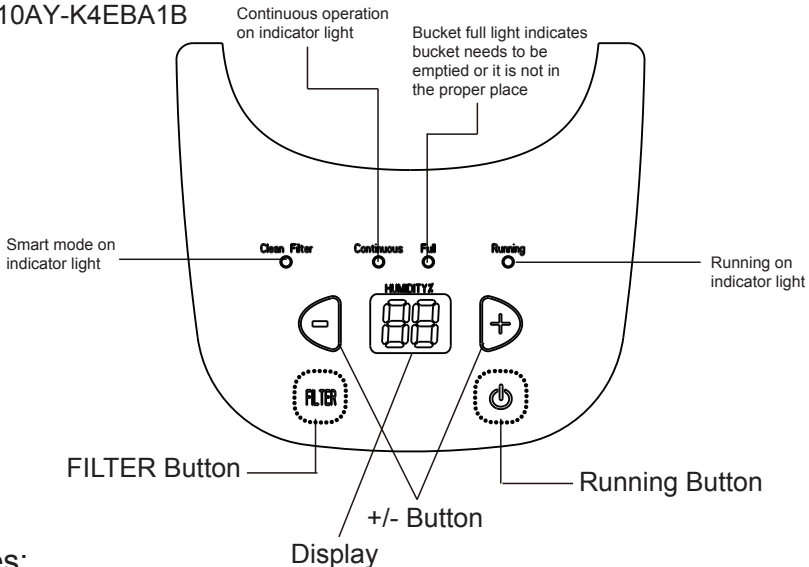 When bucket is full, removed or not placed correctly will automatically stop.

3. Memory Function
  If power is lost, all of the control settings are remembered. So when power is
  restored, the unit will start back up in the settings it was in when power was
  lost.

4. Bucket full light
  This indicates that bucket is full or removed or not placed correctly.

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Continuous operation on indicator light

Bucket full light indicates bucket needs to be emptied or it is not in the proper place

Smart mode on indicator light

Clean Filter   Continuous   Full   Running

Running on indicator light

HUMIDITY%

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FILTER

FILTER Button

+/- Button

Running Button

Display

Notes:

● Water bucket must be correctly installed for the dehumidifier to operate.
● Do not remove the bucket while unit is in operation.
● If you want to use drain hose to drain water away, please install the hose according to section "Drainage method".
● Each time pressing the effective button on the control panel will give out a "beep" sound.
● When tuning on the unit, the running indicator is ON. Running indicator is OFF under standby status.

Basic Functions of the Buttons

1 Running Button

Press this button to turn on/off dehumidifier.
  operation status all the time.

2 +/- Button

Under free drying mode press these buttons to adjust set humidity. Invalid under other modes.
- Pressing + button will increase humidity while pressing - button will decrease humidity. The display range of humidity is 35%~80%. Each pressing will increase/decrease humidity by 5%.
- Continuous Dehumidify Setting: This function can be set by pressing CONTINUOUS button.
  [Attention] : When selecting CO mode, drain hose has to be installed.
                      Otherwise, unit will stop when water bucket is full.
- When setting Timer On or Timer Off, press these buttons to adjust time.
  For specific details, please refer to Timer Button description below.
- When unit is in operation, holding + and - button simultaneously for 3s can lock buttons. If this function is turned on, Button Locked Indicator will be on and display window shows LC, which will blink for 3 times. Then ambient humidity is displayed again. To turn off this function, hold + and - button simultaneously for 3s and the indicator will be off.

3 Display

Shows the set % humidity level while setting, then shows the actual (± 5% accuracy) room % humidity level.

**4** FILTER Button

Press this button to turn off Filter Cleaning Indicator. (When dehumidifier has been operating for 250 hours, Filter Cleaning Indicator will be lit up to remind user of filter cleaning.)

Other Instructions

1. Alarm Warning
   If bucket is full or not locked into place for over 3min, buzzer will go off for 10s to remind you to empty bucket or put it back into the correct place.

2. Auto Stop
   When bucket is full, removed or not placed correctly or the humidity is 5%lower than the set humidity, unit will automatically stop.

3. Memory Function
   If power is lost, all of the control settings are remembered. So when power is restored, the unit will start back up in the settings it was in when power was lost.

4. Bucket full light
   This indicates that bucket is full or removed or not placed correctly.

5. Clean the Filter On indicator light
   When dehumidifier has been operating for 250 hours, Filter Cleaning Indicator will be lit up to remind user of filter cleaning.

Drainage Option

Option 1 Emptying Manually

Notes:

● Do not remove the bucket when unit is in operation or has just stopped. Otherwise it may cause some water to drip on the floor.

● Do not use the hose if using water bucket to collect water. When the hose is connected, water will be drained out through it instead of into the bucket.

1. Hold the handles on both sides of the water bucket and pull it out following the arrow direction. (Attention: Pull out the bucket carefully in case the water may spill out from the bucket and onto the floor.)
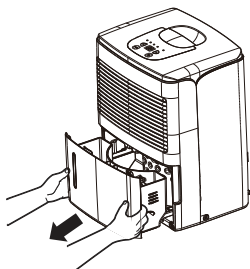
2. Empty the bucket by grasping the handle on the top of bucket with one hand and grasping the bottom of bucket with the other hand.
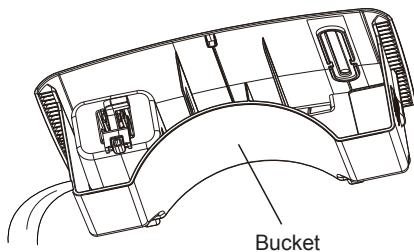
Bucket

3. Replace bucket in the dehumidifier according to the arrow direction.

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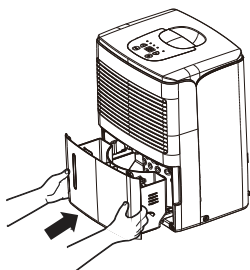
Option 2 Gravity Drain Hose

1. Hose is not provided, so user shall prepare it in advance.
   [Size: The hose should have an inner diameter of 14mm]

2. Remove bucket from the unit as instructed.

3. Thread the drain hose onto the nozzle and make
   sure it's securely locked.

drain hose

nozzle
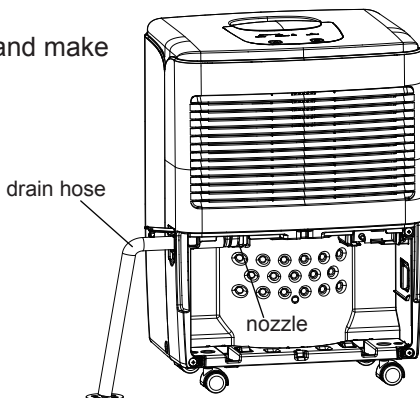
4. Replace the bucket. Make sure the drain hose goes through the bucket's drain
   hole and is placed downward. Lead the hose to the floor drain and then cover
   the hole with a lid. Note that drain hose should not be pressed, otherwise
   water can not be drained out.
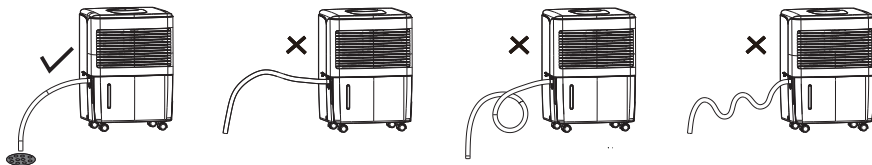
Note: When you want to take off the drain hose, prepare a receptacle to collect
water from the nozzle.
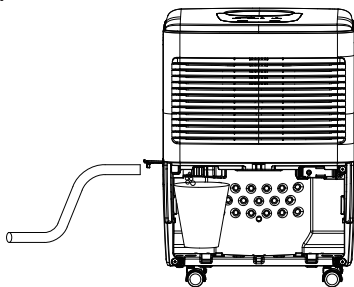
Clean and Maintenance

Warning:
● Before cleaning, turn off the dehumidifier and disconnect power. Otherwise it may lead to electric shock.
● Do not wash the dehumidifier with water, or it may lead to electric shock.
● Do not use volatile liquid(such as thinner or gasoline) to clean dehumidifier. Otherwise it will damage unit's appearance.

1. Grille and Case
To clean the case:
When there is dust on the case, use soft towel to dust it off; When the case is very dirty(greasy), use mild detergent to clean it.
To clean the grille:Use a dust catcher or brush.
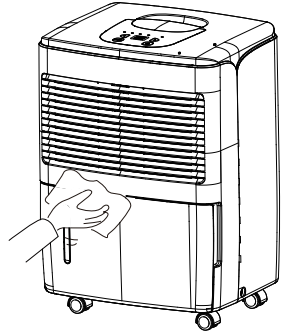
2. Air Filter
The air filter should be checked and cleaned at least every 250 hours of operation or more often if necessary.

To remove: Remove the bucket. Grasp the filter edge, and pull it straight down and out.
To clean: Clean the filter in warm, soapy water. Rinse it and let the filterdry before replacing it.
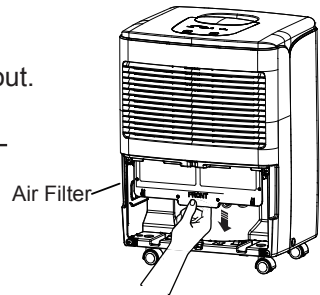
Air Filter

Warning:
● Do not operate the dehumidifier without a filter. Otherwise the evaporator will catch dust and affect unit's performance.
● Do not dry the air filter with fire or electric hair dryer. Otherwise the air filter may be unshaped or caught on fire.
● Don't use dust catcher or brush to clean the air filter. Otherwise the air filter may be destroyed

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Check Before Use-season

● Check whether air outlet is blocked.
● Check whether power plug and power socket are in good condition.
● Check whether air filter is clean.
● Check whether drain hose is damaged.

Care After Use-season

● Disconnect power.
● Clean air filter and case.
● Clean dust and obstacle of the dehumidifier.
● Empty the water bucket.

Long-time Storage

If you won't use the dehumidifier for a long time, we suggest that you follow the steps below in order to maintain the unit in good condition.
● Make sure the bucket is clear of water and drain hose is removed.
● Clean the unit and wrap it well to prevent the gathering of dust.
● Bundle the tieline at the rear case. Use the tieline to collect the power cord, if there is a clasp in the groove, put the power plug into the clasp(As shown in fig.a). If there is no clasp in the groove, use the tieline to collect the power cord and the power plug doesn't need to be fixed by the clasp(As shown in fig.b).
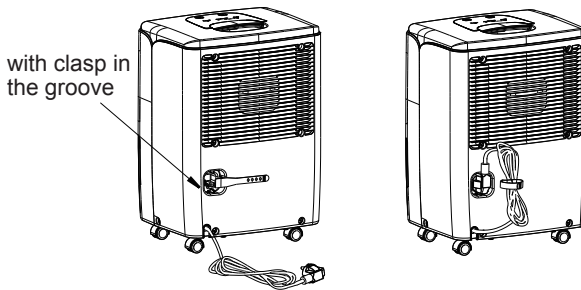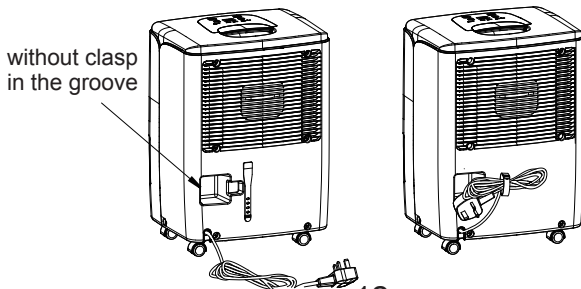
with clasp in the groove

Fig.a

without clasp in the groove

Fig.b

Troubleshooting

● Not all the following problems are malfunctions.

Problem	Possible Causes
Dehumidifier is not operating. Controls can not be set.	● Unit is operating in an area where temperature is higher than 32°C or lower than 5°C. ● Bucket is full.
Noise suddenly rises during operation.	● Noise will rise if compressor has just started. ● Power supply problem. ● Unit is placed on uneven floor.
Humidity does not drop.	● Area to be dehumidified is too large. The capacity of your dehumidifier may not be adequate. ● Doors are open. ● There might be some device producing vapor in the room.
Little or no effect in dehumidifying	● Room temperature is too low. ● Humidity level may be improperly set. ● If unit is operating in a room where temperature is from 5 to 15 °C, it will start to defrost automatically. Compressor will stop for a brief period of time(fan will operate in high fan speed). When unit finishes defrosting, it will be back to normal operation.
When first operated, the air emitted has musty-odor.	● Due to temperature rising of heat exchanger, the air may have some strange smell at the beginning.
Unit has noise.	● There might be some noise if unit is operating on wooden floor.
Swooshing sound is heard.	● Normal. This is the sound of the flow of refrigerant.

● Problem of Water Leakage.

Problem	Possible Causes	Solution
When using drain hose, there is water in the bucket.	● Examine the drainage joint.	● Connect the drainage joint well.
	● Drain hose is not correctly installed.	● Clear the obstacle from the drain hose. ● Remove the drain hose and replace it. Be sure that the hose is correctly installed.

● Dehumidifier does not start.

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Problem	Possible Causes	Solution
Power indicator is not lit when power is connected.	● Power is not supplied for the dehumidifier or the power plug is not well inserted.	● Check if power is lost. If yes, wait for the power to restore. ● If not, check whether the power circuit or power socket has been damaged. ● Check whether power plug is loosen. ● Check whether power cord is damaged.
	● Fuse is blown.	● Replace the fuse.
Bucket full indicator is lit up.	● Bucket is not properly placed. ● Water is full in the bucket. ● Bucket has been removed.	● Empty the bucket and replace it.

GDN10AY-K4EBA1B

Problem	Possible Causes	Solution
Power indicator is not lit when power is connected.	● Power is not supplied for the dehumidifier or the power plug is not well inserted.	● Check if power is lost. If yes, wait for the power to restore. ● If not, check whether the power circuit or power socket has been damaged. ● Check whether power plug is loosen. ● Check whether power cord is damaged.
	● Fuse is blown.	● Replace the fuse.
Bucket full indicator is lit up.	● Bucket is not properly placed. ● Water is full in the bucket. ● Bucket has been removed.	● Empty the bucket and replace it.
Unit can function normally but it can not start up.	● Humidity is set too high.	● If you want the air drier, press - button to lower the figure or press CO button for unit to dehumidify continuously.

● Dehumidifier does not dry air as intended.

Bad dehumidifying performance	● Check whether there is any obstacle around the unit.	● Make sure there is no curtain, shutter or furniture that blocks the dehumidifier.
	● Air filter is dusty and blocked.	● Clean the filter.
	● Doors and windows are left open.	● Make sure all doors and windows and other opening to the outside have been closed.
	● Room temperature is too low.	● Warm temperature is good for dehumidification. Low temper-ature will reduce unit's working effect. This unit should be wor-king in a place where temper-ature is above 5°C.

Malfunction Codes

● Unit's Malfunction Codes

GDN10AY-K4EBA1B

No.	Malfunction Name	Display Code / Display Window	Unit's Condition	Possible Causes
1	Ambient Temperature Sensor Malfunction	F1	Compressor and fan motor stop. This button is invalid.	● Ambient temperature sensor is loosen or is poorly connected with the terminal of display board.
				● Some element of display board may have been put upside down and cause short circuit.
				● Ambient temperature sensor is damaged(Please refer to Chec-king Table for Temperature Sen-sor Resistance).
				● Display board is damaged.

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No.	Malfunction Name	Display Code / Display Window	Unit's Condition	Possible Causes
2	Tube Temperature Sensor Malfunction	F2	Compressor and fan motor stop. This button is invalid.	● Temperature sensor on the evaporator is loosen or is poorly connected with the terminal of display board. ● Some element of display board may have been put upside down and cause short circuit. ● Temperature sensor on the eva-porator is damaged(Please refer to Checking Table for Temperature Sensor Resistance). ● Display board is damaged.
3	Humidity Sensor Malfunction	L1		● Humidity sensor is short-circuited. ● Humidity sensor is damaged. ● Display board is damaged.
4	Freon-lacking protection	F0	The compr-essor stops; the fan mo-tor keeps on running.	● Refrigerant is leaking. ● System is blocked.
5	High-tempe-rature over oad protect-ion	H3		● Ambient operation condition is bad. ● The evaporator and condenser are blocked with filth. ● The system is abnormal.

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